

TRANSPORTERS COMPRISING SPACED ARGININE MOIETIES

ABSTRACT OF THE DISCLOSURE

The present invention provides compositions and methods for enhancing
5 transport of biologically active compounds across biological membranes and across and into
animal epithelial or endothelial tissues. The composition includes a biologically active agent
and a transport moiety. The transport moiety includes a structure selected from the group
consisting of $(\text{YZZ})_n\text{Z}$, $(\text{ZY})_n\text{Z}$, $(\text{ZYY})_n\text{Z}$ and $(\text{ZYYY})_n\text{Z}$. Subunit "Z" is L-arginine or D-
arginine, and subunit "Y" is an amino acid that does not comprise an amidino or guanidino
10 moiety. Subscript "n" is an integer ranging from 2 to 10. The method for enhancing
transport involves the administration of the aforementioned composition.

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